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New Claim 1

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1. A quality-of-service (QoS) reservation method for managing network resources and/or service parameters needed for symmetric real-time multimedia applications and/or data services running on a mobile node (106a) and a
10 correspondent node (106c) by signaling resource control information along specific routing paths between these nodes (106a, 106c),

said method being based on an in-band signaling mechanism comprising the steps of

- 15 - embedding (S1) resource control information to be transmitted between the mobile node (106a) and the correspondent node (106c) in an message (400) which is sent via the routing path of the reserved connection for these nodes (106a+c) and
- 20 - disseminating (S2) resource control information between the mobile node (106a) and the correspondent node (106c) by using the same routing path (alternative #1) through the network (104) in both directions.